

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No. MO-0131385

Owner: Capital Sand Company, Inc.
Address: 700 Mokane Road, P.O. Box 104990 Jefferson City, MO 65110

Continuing Authority: Same as above
Address: Same as above

Facility Name: Capital Sand Company, Inc.
Facility Address: I-44 and State Highway D, Jerome, MO 65529

Legal Description: SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 19, T37N, R9W Phelps County
Latitude/Longitude: +3755095/-09157534

Receiving Stream: Little Piney Creek (P)
First Classified Stream and ID: Little Piney Creek (P) (1521)
USGS Basin & Sub-watershed No.: (10290203-010005)

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION

All Outfalls

Discharge of wash water and storm water from sand and/or gravel operations.

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

May 13, 2005

Effective Date

Doyle Childers, Director, Department of Natural Resources
Executive Secretary, Clean Water Commission

May 12, 2010

Expiration Date
MO 780-0041 (10-93)

Gary L. Gaines, P.E., Director, Southeast Regional Office

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PAGE NUMBER 2 of 4	
					PERMIT NUMBER MO-0131385	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT TYPE	SAMPLE FREQUENCY
<u>Storm Water</u> (Note 1)						
Flow	MGD	*		*	once/quarter**	instantaneous estimate
Settleable Solids	mL/L/hr	1.5		1.0	once/quarter**	grab
pH – Units	SU	***		***	once/quarter**	grab
Oil and Grease	mg/l	15		10	once/quarter**	grab
<u>Process and Wash Water</u> (Notes 2 & 3)						
Flow	MGD	*		*	once/month**	24 hr estimate
Settleable Solids	mL/L/hr	1.5		1.0	once/month**	grab
Total Suspended Solids	mg/L	110		70	once/month**	grab
pH – Units	SU	***		***	once/month**	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>July 28, 2005</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

* Monitoring requirement only.

** When no discharge occurs from the treatment facility during the reporting period, the report shall state “no discharge”.

*** pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.

Note 1 - Samples shall be collected at least once per quarter during periods of operation and when mined material is stored at the site.

Note 2 – Samples shall be collected at least once per month during periods of operation only. When facility is not in operation report as “no discharge” or “inactive”.

Note 3 – All wash waters shall receive at least primary treatment before discharge. Permittee shall collect a sample prior to the discharge leaving the property or entering waters of the state.

APPLICABILITY

1. This permit authorizes the discharge of wash water and storm water from sand and gravel operations within the state of Missouri. Storm water discharges include runoff from all disturbed areas, stockpiles and storage areas and waters pumped from basins containing storm water runoff. This includes discharges associated with, but not limited to, SIC codes #1442 & 1446.
2. Holders of site-specific state operating permits who desire to apply for inclusion under this general permit may contact the department for application requirements.
3. This permit does not authorize mining, dredging, or the removal of sand or gravel. Contact the Land Reclamation Program for mining permit requirements.
4. This permit does not authorize construction of stream crossings. Contact the U.S. Army Corps of Engineers for stream crossings permit requirements.
5. This permit authorizes discharges from truck washing that meet the limits specified in Table A of this permit. This permit does not authorize discharges from truck washing operations that include the use of soap or detergents.

REQUIREMENTS

1. Water Quality Standards
 - (a) Discharges to waters of the state shall not cause a violation of water quality standards rule under 10 CSR 20-7.031, including both specific and general criteria.
 - (b) General Criteria. The following general water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
 - (1) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
 - (2) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
 - (3) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
 - (4) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
 - (5) There shall be no significant human health hazard from incidental contact with the water;
 - (6) There shall be no acute toxicity to livestock or wildlife watering;
 - (7) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
 - (8) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.
2. Permittee must provide sediment and erosion control sufficient to prevent or control pollution to waters of the state. This could include the use of straw bales, silt fences, or sediment basins, if needed, to comply with effluent limits.
3. Permittee shall adhere to the following Best Management Practices:
 - (a) To the extent practicable, prevent the spillage or loss of fluids, oil, grease, fuel, etc. from vehicle maintenance, equipment cleaning, or warehousing activities and prevent the contamination of storm water from these substances.
 - (b) Provide for the collection and proper disposal of waste products including, but not limited to, petroleum waste products and solvents. All fueling facilities present on the site shall adhere to applicable federal and state regulations concerning underground storage, above ground storage, and dispensers, and shall include spill prevention, control and counter measures.
 - (c) Store all paint, solvents, petroleum products, and petroleum waste products in appropriate storage containers (such as drums, cans, or cartons) so that these materials are safely contained and not exposed to storm water.
 - (d) Provide good housekeeping practices on the site to keep trash or other solid waste from entering waters of the state.
 - (e) Designate an individual as responsible for environmental matters. Inspect, once per month on workdays, any structure that functions to prevent pollution from storm water or to remove pollutants from storm water. In addition, inspect these structures within 24 hours of each rainfall event of one inch or more. Inspect the facility in general to ensure that any Best Management Practices are continually implemented and remain effective. The department advises that a log book be maintained to record the inspections.

REQUIREMENTS (continued)

4. This permit may be reopened and modified, or alternatively revoked and reissued, to:
 - (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C), and (D), 304(b)(2) and 307(a)(2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
 - (1) Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - (2) Controls any pollutant not limited in the permit.
 - (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test, or other information indicates changes are necessary to assure compliance with Missouri Water Quality Standards.
 - (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's current 303(d) list.
5. Changes in Discharges of Toxic Substances
The permittee shall notify the Director as soon as it knows or has reason to believe:
 - (a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
 - (1) One hundred micrograms per liter (100 µg/L);
 - (2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,5 dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
 - (3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;
 - (4) The level established in Part A of the permit by the Director.
 - (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant, which was not reported in the permit application.

TERMINATION OF PERMIT

This permit may be terminated when activities covered by this permit have ceased and no significant materials are stored in such a way as to come into contact with storm water, or if a transfer of ownership of the facility and its activities has been made. If such a termination is sought, the permittee shall submit Form J, Termination of a State Operating Permit.

DUTY OF COMPLIANCE

The permittee shall comply with all conditions of this general permit. Any noncompliance with this general permit constitutes a violation of Chapter 644, Missouri Clean Water Law, and 10 CSR 20-6.200. Noncompliance may result in enforcement action, termination of this authorization, or denial of the permittee's request for renewal.

PERMIT TRANSFER

This permit may be transferred to a new owner by submitting an "Application for Transfer of Operating Permit" signed by the seller and buyer of the facility, along with the appropriate modification fee.

RECORDS RETENTION AND REPORTING

All sampling data shall be maintained by the permittee for a period of five (5) years and shall be supplied to the Department of Natural Resources upon written request (supersedes Part I. Section A: 7. Records Retention).

PERMIT RENEWAL REQUIREMENTS

Unless this permit is terminated, the permittee shall submit an application for the renewal of this permit no later than six (6) months prior to the permit's expiration date.